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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/699,577	10/31/2003	Robert Hale Grant	233-605-USP	1563

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EXAMINER

FORD, GRANT M

ART UNIT	PAPER NUMBER
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2141

MAIL DATE	DELIVERY MODE
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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/699,577	Applicant(s) GRANT ET AL.	
	Examiner Grant Ford	Art Unit 2141	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 31 October 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 31 October 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>12-9-2003</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-19 are rejected under 35 U.S.C. 102(e) as being anticipated by Green (US 2004/0022256).

- a. As per claim 1, Green discloses a gateway comprising:

a first port coupled to a first network (Para. 0025);

a second port coupled to a second network (Para. 0025);

processes implemented within the gateway for identifying at least one service provided by the first network that is not provided by the second network (Para. 0034,0056,0090); and

processes implemented within the gateway for implementing the at least one service on behalf of the second network (Para. 0054,0068,0075).

- b. As per claim 2, Green discloses processes implemented within the gateway for determining when the at least one service is implemented in the second network (Para. 0052-0054); and

processes implemented within the gateway for ceasing the provision of the at least one service in favor of allowing the second network to provide the at least one service (Para. 0052-0054).

c. As per claim 3, Green discloses wherein at least one of the first and second networks comprises a Fibre Channel network (Abstract, Para. 0009).

d. As per claim 4, Green discloses wherein at least one of the first and second networks comprises an Internet Protocol network (Para. 0092).

e. As per claim 5, Green discloses wherein at least one of the first and second networks comprises a storage area network (SAN) (Para. 0003).

f. As per claim 6, Green discloses wherein the at least one service provided by the first network is a naming service and the processes implemented within the gateway comprise a naming service implemented on behalf of the second network (Para. 0056,0059,0065).

g. As per claim 7, Green discloses wherein the at least one service provided by the first network comprises a discovery service and the processes implemented within the gateway comprise a discovery service implemented on behalf of the second network (Para. 0090).

h. As per claim 8, Green discloses wherein the at least one service provided by the first network is a zoning service and the processes implemented within the gateway comprise zoning service implemented on behalf of the second network (Para. 0010,0085-0087).

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i. As per claim 9, Green discloses wherein the at least one service provided by the first network is security service and the processes implemented within the gateway comprise a security service implemented on behalf of the second network (Para. 0011).

j. As per claim 10, Green discloses a method for configuring a heterogeneous network comprising:

providing a gateway having a first port coupled to a first network and a second port coupled to a second network (Para. 0025);

identifying at least one service provided by the first network that is not provided by the second network (Para. 0034,0056,0090); and

implementing the at least one service in the gateway on behalf of the second network while the second network is unable to implement that service (Para. 0054,0068,0075).

k. As per claim 11, Green discloses determining when the at least one service is implemented in the second network (Para. 0052-0054); and

ceasing the implementation of the at least one service in the gateway in favor of allowing the second network to provide the at least one service (Para. 0052-0054).

l. As per claim 12, Green discloses wherein at least one of the first and second networks comprises a Fibre Channel network (Abstract, Para. 0009).

m. As per claim 13, Green discloses wherein at least one of the first and second networks comprises an Internet Protocol network (Para. 0092).

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n. As per claim 14, Green discloses wherein at least one of the first and second networks comprises a storage area network (SAN) (Para. 0003).

o. As per claim 15, Green discloses wherein the at least one service provided by the first network is a naming service and the act of implementing the at least one service in the gateway comprises implementing a naming service implemented on behalf of the second network (Para. 0056,0059,0065).

p. As per claim 16, Green discloses wherein the at least one service provided by the first network comprises a discovery service the act of implementing the at least one service in the gateway comprises implementing a discovery service on behalf of the second network (Para. 0090).

q. As per claim 17, Green discloses wherein the at least one service provided by the first network is a zoning service the act of implementing the at least one service in the gateway comprises implementing a zoning service on behalf of the second network (Para. 0010,0085-0087).

r. As per claim 18, Green discloses wherein the at least one service provided by the first network is security service a the act of implementing the at least one service in the gateway comprises implementing a security service on behalf of the second network (Para. 0011).

s. As per claim 19, Green discloses a gateway for joining disparate networks, the gateway comprising:

a first port coupled to a first network (Para. 0025);

a second port coupled to a second network (Para. 0025);

processes in communication with the first port and the second port for identifying at least one device on each of the incompatible networks (Fig. 6,8, Para. 0010, 0035);

processes in communication with the first port and the second port for creating a virtual representation of each of the identified devices a connection between each virtual representation and the at least one identified device that is being represented (Fig. 6,8, Para. 0010,0035); and

a connection between the virtual representations to implement a functional connection between the identified devices (Fig. 6,8,Para. 0035).

Conclusion

3. The prior art made of record but not relied upon is considered pertinent to applicant's disclosure –

Czeiger et al. (6,683,883) teaches a iSCSI – FCP gateway utilizing virtual addressing.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Grant Ford whose telephone number is (571)272-8630. The examiner can normally be reached on 8-5:30 Mon-Thurs alternating Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rupal Dharra can be reached on (571)272-3880. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



ANDREW CALDWELL
SUPERVISORY PATENT EXAMINER